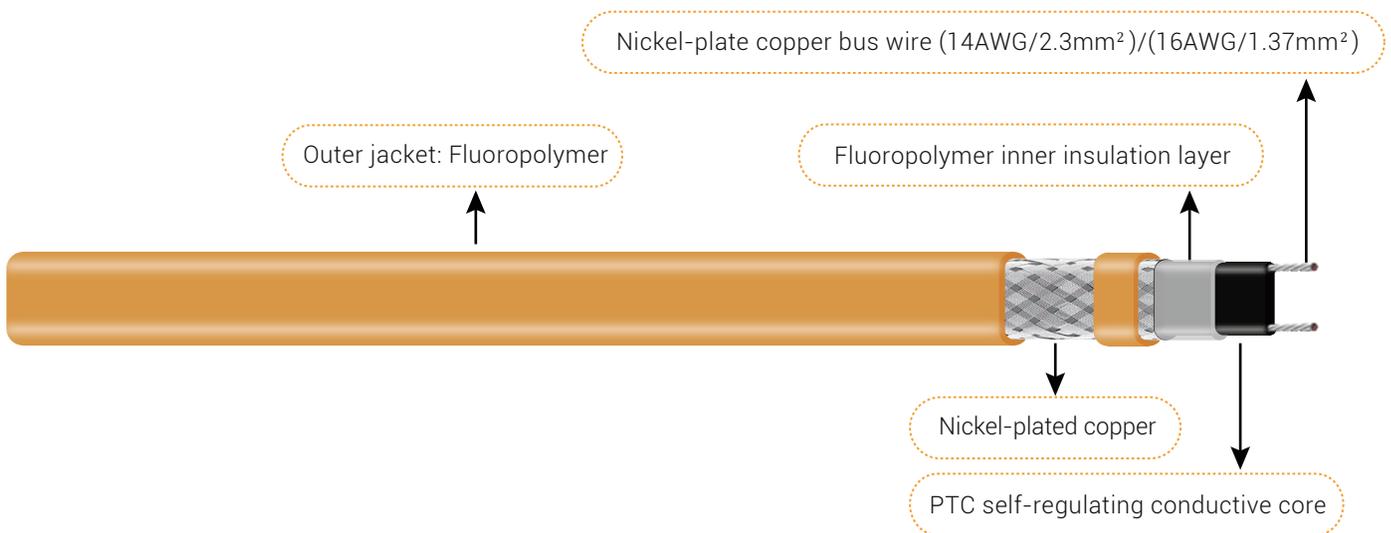




HTU⁺ Ultra-High temperature self-regulating heating cable

Overview:

Jiahong HTU⁺ Ultra-high temperature self-regulating heating cable can be used for ultra high continuous operation temperature (up to 210°C), also focus on the freeze protection and process temperature maintenance application, HTU⁺ heating cable can withstand the exposure temperature up to 260°C, including intermittent or continuous high temperature steam purge. In another way HTU⁺ heating cable can be installed at the minimum ambient temperature of -60°C, and there will be still high power output under high temperature condition. All of above are considered to ensure the completion of reaction or crystallization process in the production of petro-chemical and coal-chemical industry.



The extruded core tape, which made by parallel nickel-plate copper bus wire and PTC semiconductor polymer heating material, and inner insulation layer of fluoropolymer are added to Nickel-plated copper and the outer jacket form a complete structure of HTU⁺ heating cable, in which the outer jacket can be made of fluoropolymer material (CT).

Product Feature:

- ◆ HTU⁺ heating cable is certified by IECEx, ATEX, NEPSI(China) and EAC(Russia), including explosion-proof application, which can be used in the explosion area and ordinary safety area.
- ◆ According to the characteristics of automatic adjustment of power output based on ambient temperature, it can avoid overheating or burning on heating cable even in the case of overlapping installation; Simultaneously this feature can increase the efficiency of the heat tracing system and reduce energy consumption.
- ◆ It is allowed to cut arbitrarily within the interval specified by the maximum circuit length and connect with compliance accessories.
- ◆ It has a complete series of accessory, including standard power box, splice/tee connection box and end seal box etc, which can ensure the long service life of the product.
- ◆ Ultra-high operating temperature and withstand temperature, as well as high output power under high temperature conditions, ensure that the economic benefits can be maximized in relevant application environments.



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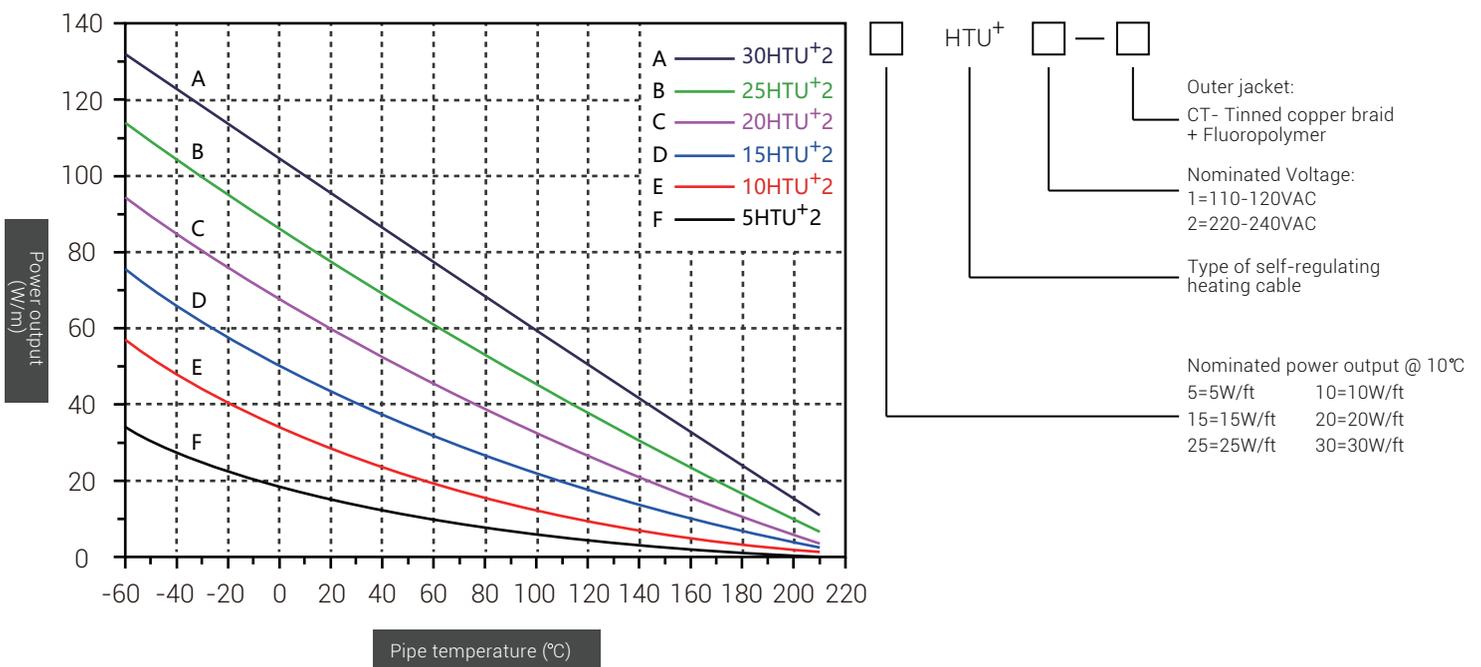
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Technical Specification:

Nominated Voltage:	110-120V(HTU ⁺ 1) / 220-240V(HTU ⁺ 2)
Maximum maintaince temperature	+210°C (410°F)
Maximum continuous exposure temperature:	+260°C (500°F)
Temperature classification	T2
IP level:	IP66/67
Minimum installation temperature:	-60°C
Minimum bending radius:	30mm
Nominated power output @10°C:	5W/ft, 10W/ft, 15W/ft, 20W/ft, 25W/ft, 30W/ft
Dimension:	CT: 12.4mm(W)×4.8mm(T)
Approvals mark:	    

Power output curve:



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120Vac Service Voltage:

CB size(A)	Start-up temperature °C (°F)	Max Circuit Length Vs Breaker Size (ft)					
		5HTU+1	10HTU+1	15HTU+1	20HTU+1	25HTU+1	30HTU+1
16	10 (50)	228	153	110	81	71	59
	0 (32)	217	137	108	79	67	56
	-10 (14)	199	125	99	74	64	54
	-20 (-4)	184	109	92	69	61	51
	-40 (-40)	160	93	79	61	56	47
20	10 (50)	274	191	137	102	88	74
	0 (32)	270	176	135	99	84	70
	-10 (14)	248	160	124	92	80	67
	-20 (-4)	229	146	114	87	77	64
	-40 (-40)	199	119	99	77	71	59
25	10 (50)	306	219	180	127	110	92
	0 (32)	299	212	169	124	105	88
	-10 (14)	278	198	155	116	100	84
	-20 (-4)	265	169	143	108	96	80
	-40 (-40)	246	147	124	96	88	74
32	10 (50)	317	219	180	160	141	118
	0 (32)	317	219	180	159	135	112
	-10 (14)	317	219	180	148	129	107
	-20 (-4)	317	208	169	138	123	103
	-40 (-40)	317	192	159	122	113	95
40	10 (50)	317	219	180	160	148	136
	0 (32)	317	219	180	160	148	136
	-10 (14)	317	219	180	160	148	134
	-20 (-4)	317	219	180	160	148	129
	-40 (-40)	317	219	180	153	141	118



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240Vac Service Voltage:

CB size(A)	Start-up temperature °C (°F)	Max Circuit Length Vs Breaker Size (ft)					
		5HTU ⁺ 2	10HTU ⁺ 2	15HTU ⁺ 2	20HTU ⁺ 2	25HTU ⁺ 2	30HTU ⁺ 2
16	10 (50)	456	306	219	163	141	118
	0 (32)	433	274	217	159	135	112
	-10 (14)	398	249	198	148	129	107
	-20 (-4)	368	217	183	138	123	95
	-40 (-40)	321	185	159	122	113	148
20	10 (50)	548	381	274	204	177	141
	0 (32)	539	353	271	198	169	134
	-10 (14)	495	321	248	185	161	129
	-20 (-4)	458	292	229	173	154	118
	-40 (-40)	398	239	198	153	141	184
25	10 (50)	613	438	360	254	221	176
	0 (32)	598	424	338	248	211	168
	-10 (14)	556	395	309	231	201	161
	-20 (-4)	531	338	286	216	192	148
	-40 (-40)	492	294	248	191	177	236
32	10 (50)	634	438	360	321	282	236
	0 (32)	634	438	360	318	270	225
	-10 (14)	634	438	360	296	257	215
	-20 (-4)	634	417	338	277	246	206
	-40 (-40)	634	385	317	245	226	189
40	10 (50)	634	438	360	321	297	272
	0 (32)	634	438	360	321	297	272
	-10 (14)	634	438	360	321	297	269
	-20 (-4)	634	438	360	321	297	257
	-40 (-40)	634	438	360	306	282	236

Description:

1. The maximum circuit length shown is in accordance with IEC 60898, with Type C circuit breakers as standard, at reference start-up temperature and 10 °C Experimental data obtained from instantaneous trip current characteristics under maintenance temperature conditions. For the maximum loop length corresponding to other trip current characteristics or other types of circuit breakers, please contact the technical representative of Jiahong Company.
2. Although the heat tracing system is generally used to maintain the medium in the pipe or vessel at the required temperature level, the self-regulating heat tracing cable may be at a lower temperature level when it is energized. For design data when the starting temperature is lower than the above temperature, please contact the technical representative of Jiahong Company.
3. Maximum loop length refers to the continuous length of the heating cable, not the sum of the lengths of multiple sections. Relating to current load for each section, please contact the technical representative of Jiahong Company.



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